


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                           |   |                            |
|---------------------------|---|----------------------------|
| In re Application of:     | § |                            |
| Samit Kumar Basu et al.   | § | Group Art Unit: Unassigned |
|                           | § |                            |
| Serial No.: Unassigned    | § |                            |
|                           | § | Examiner: Unassigned       |
| Filed: Herewith           | § |                            |
|                           | § |                            |
| For: METHOD AND APPARATUS | § | Atty. Docket: 140361-1/YOD |
| FOR EFFICIENT             | § | GERD:0123                  |
| CALCULATION AND USE OF    | § |                            |
| RECONSTRUCTED PIXEL       | § |                            |
| VARIANCE IN TOMOGRAPHY    | § |                            |
| IMAGES                    | § |                            |

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| EXPRESS MAIL MAILING LABEL                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |
| NUMBER:                                                                                                                                                                                                                                                                                                                                                                                                                                            | EV 365 158 085 US                                                                    |
| DATE OF DEPOSIT:                                                                                                                                                                                                                                                                                                                                                                                                                                   | March 31, 2004                                                                       |
| <i>Pursuant to 37 C.F.R. § 1.10, I hereby certify that I am personally depositing this paper or fee with the U.S. Postal Service, "Express Mail Post Office to Addressee" service on the date indicated above in a sealed envelope (a) having the above-numbered Express Mail label and sufficient postage affixed, and (b) addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</i> |                                                                                      |
| March 31, 2004                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lynda Howell                                                                         |

Sir:

**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. §§ 1.97(b)(1) AND 1.98**

In compliance with the duty of disclosure under 37 C.F.R. § 1.56(a), it is respectfully requested that this Information Disclosure Statement be entered and that the references listed on the attached PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made, as an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b), or as a representation that no other possibly material information, as defined in 37 C.F.R. § 1.56(b), exists.

Furthermore, the references listed on the attached Form 1449 are not to be construed as an admission that these references qualify as prior art as to the above-referenced application or any related application. Rather, these references are being presented for the Examiner's consideration without prejudice to the right to demonstrate that any of these references do not qualify as prior art should the Examiner choose to apply any of these references.

The following information is listed below in accordance with 37 C.F.R. §1.98. Any explanation of non-English language documents contained in this Information Disclosure Statement is believed to constitute a concise explanation of the relevance of the listed reference as it is presently understood by the individual designated in § 1.56(c) most knowledgeable about the content of the listed reference, in accordance with 37 C.F.R. § 1.98(a)(3).

Respectfully submitted,

Date: 3/31/2004

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------|
| <b>Form PTO-1449 (modified)</b><br><br>List of Patents and Publications<br>For Applicant's Information<br>Disclosure Statement<br><br>(Use several sheets if necessary) | <b>ATTY. DOCKET NO.</b><br>140361-1/YOD (GERD:0123) | <b>SERIAL NO.</b><br>Unassigned |
|                                                                                                                                                                         | <b>APPLICANT</b><br>Samit Kumar Basu et al.         |                                 |
|                                                                                                                                                                         | <b>FILING DATE</b><br>March 31, 2004                | <b>GROUP</b><br>Unassigned      |

**U.S. PATENT DOCUMENTS**

| EXAM.<br>INIT. | REF.<br>DES. | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING DATE<br>IF APPROPRIATE |
|----------------|--------------|--------------------|------|------|-------|--------------|-------------------------------|
|                | A1           |                    |      |      |       |              |                               |
|                | A2           |                    |      |      |       |              |                               |
|                |              |                    |      |      |       |              |                               |
|                |              |                    |      |      |       |              |                               |
|                |              |                    |      |      |       |              |                               |
|                |              |                    |      |      |       |              |                               |

**FOREIGN PATENT DOCUMENTS**

| EXAM.<br>INIT. | REF.<br>DES. | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB<br>CLASS | TRANSLATION |
|----------------|--------------|--------------------|------|---------|-------|--------------|-------------|
|                | B1           |                    |      |         |       |              |             |
|                | B2           |                    |      |         |       |              |             |

**OTHER ART (Author, Title, Journal, Volume, Pertinent Pages, & Date)**

|    |                                                                                                                                          |
|----|------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | Bennett, et al " Fan-beam-tomography noise theory", Opt. Socety Am.A/Vol 3 No. 5, May 1986                                               |
| C2 | Oleh J Tretiak "Noise Limitations in X-Ray Computed Tomography", Journal of Computer Assisted Tomography, 2, PP: 477-480, September 1978 |
| C3 | Brooks, et al " Statistical Limitations in X-ray reconstructive tomography", Medical Physics, Vol.3, No.4, PP:237-240, Jul/Aug 1976      |

|                 |                        |
|-----------------|------------------------|
| <b>EXAMINER</b> | <b>DATE CONSIDERED</b> |
|-----------------|------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.